

Claims 2-24 are rejected by the Examiner under 35 USC 112, second paragraph, as allegedly being indefinite due to the use of the phrase "average molecular weights."

Applicants respectfully submit that Claims 2-24 are no longer indefinite in light of the amendments to Claims 2-4, 11 and 14, wherein it is emphasized that the average molecular weights of the zwitterionic polymeric suds stabilizers are determined by gel permeation chromatography.

**Obviousness-Type Double Patenting:**

Claims 1-24 are rejected by the Examiner under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-16 of U.S. Patent No. 6,277,811 to Kasturi et al.

Applicants respectfully submit that claims 1-16 of U.S. Patent No. 6,277,811 to Kasturi et al. are directed to a detergent composition suitable for use in hand dishwashing whereas the claimed invention as claimed in Claims 1-24, as amended, are directed to composition other than detergent compositions suitable for use in hand dishwashing. In light of the foregoing, Applicants respectfully submit that claims 1-16 of U.S. Patent No. 6,277,811 fail to teach each and every element of the claimed invention as claimed in Claims 1-24, as amended. Accordingly, Applicants submit that Claims 1-24 are not rendered obvious over claims 1-16 of U.S. Patent No. 6,277,811.

**Conclusion**

Applicants have made an earnest effort to place the present application in condition for allowance. WHEREFORE, entry of the claim amendments, reconsideration of the rejection of the claims in light of the amendments and Remarks provided and allowance of Claims 1-24, as amended, are respectfully requested.

Respectfully submitted,

**Mark Robert Sivik et al.**

by 

C. Brant Cook

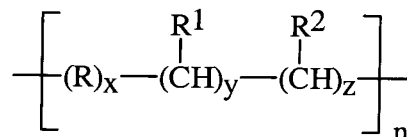
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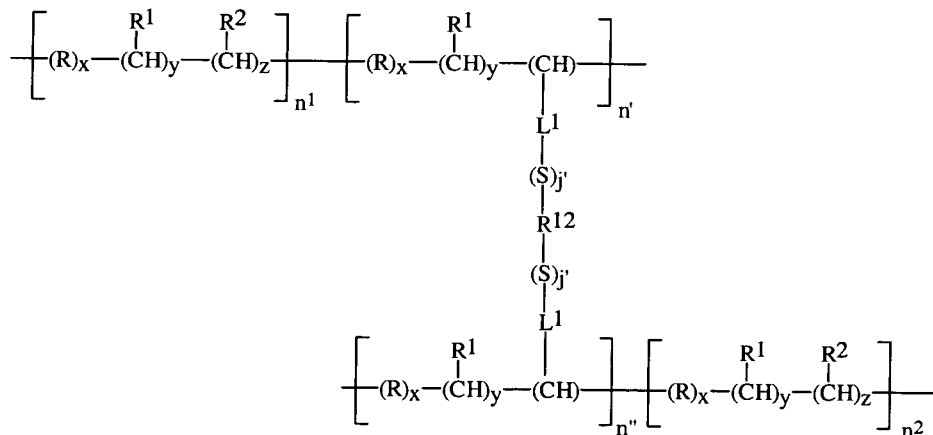
## MARKED UP VERSION OF CLAIMS

2. A composition according to Claim 1 wherein said zwitterionic polymeric suds stabilizer (a) has the formula:



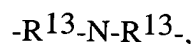
wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to about 12; R<sup>2</sup> is a unit capable of having a positive charge at a pH of from about 4 to about 12; n has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight determined by gel permeation chromatography of from about 1,000 to about 2,000,000 daltons; x is from 0 to 6; y is 0 or 1; and z is 0 or 1.

3. A composition according to Claim 2 wherein said zwitterionic polymeric suds stabilizer has an average molecular weight determined by gel permeation chromatography of from about 5,000 to about 1,000,000 daltons.
4. A composition according to Claim 3 wherein said zwitterionic polymeric suds stabilizer has an average molecular weight determined by gel permeation chromatography of from about 10,000 to about 750,000 daltons.
11. A composition according to Claim 1 wherein said zwitterionic polymeric suds stabilizer has the formula:

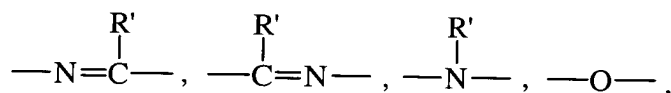
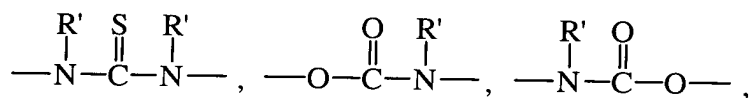
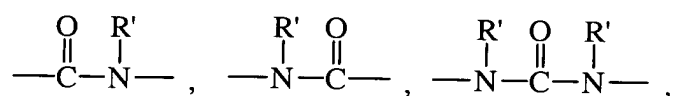
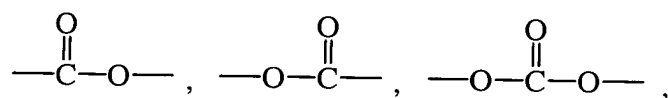


wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to

about 12;  $R^2$  is a unit capable of having a positive charge at a pH of from about 4 to about 12;  $C_1$ - $C_{12}$  linear alkylene amino alkylene having the formula:

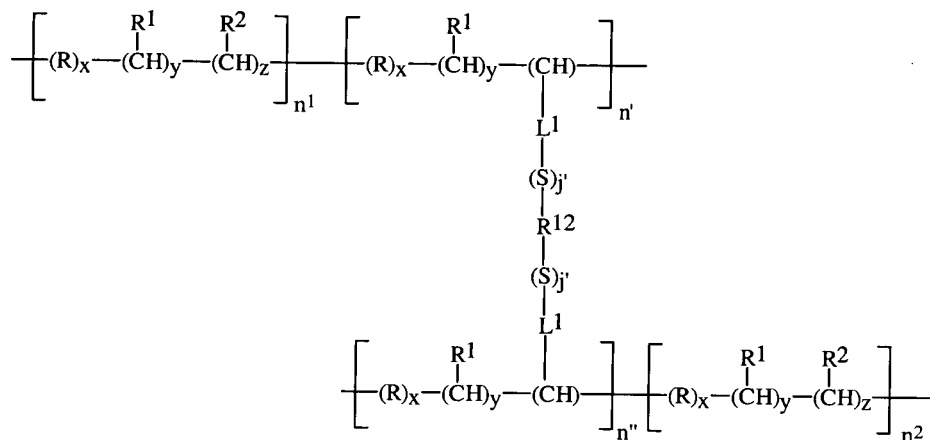


$L^1$ , and mixtures thereof, wherein each  $R^{13}$  is independently  $L^1$ , ethylene, and mixtures thereof; each S is independently selected from  $C_1$ - $C_{12}$  linear alkylene,  $C_1$ - $C_{12}$  branched alkylene,  $C_3$ - $C_{12}$  linear alkenylene,  $C_3$ - $C_{12}$  branched alkenylene,  $C_3$ - $C_{12}$  hydroxyalkylene,  $C_4$ - $C_{12}$  dihydroxyalkylene,  $C_6$ - $C_{10}$  arylene,  $C_8$ - $C_{12}$  dialkylarylene,  $-(R^5O)_kR^5-$ ,  $-(R^5O)_kR^6(OR^5)_k-$ ,  $-CH_2CH(OR^7)CH_2-$ , and mixtures thereof;  $L^1$  is a linking unit independently selected from the following:

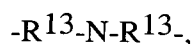


and mixtures thereof;  $n^1 + n^2$  has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight determined by gel permeation chromatography of from about 1,000 to about 2,000,000 daltons;  $n'$  is equal to  $n''$  and further  $n' + n''$  is less than or equal to 5% or the value  $n^1 + n^2$ ;  $x$  is 0 to 6;  $y$  is 0 or 1; and  $z$  is 0 or 1.

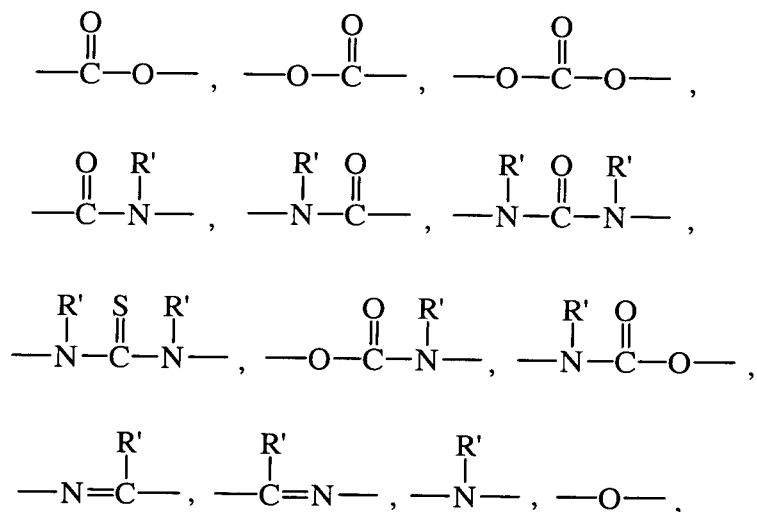
14. A composition according to Claim 1 wherein said zwitterionic polymeric suds stabilizer (a) is a zwitterionic polymeric suds stabilizer of the formula:



wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to about 12; R<sup>2</sup> is a unit capable of having a positive charge at a pH of from about 4 to about 12; C<sub>1</sub>-C<sub>12</sub> linear alkylene amino alkylene having the formula:



L<sup>1</sup>, and mixtures thereof, wherein each R<sup>13</sup> is independently L<sup>1</sup>, ethylene, and mixtures thereof; each S is independently selected from C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, C<sub>3</sub>-C<sub>12</sub> linear alkenylene, C<sub>3</sub>-C<sub>12</sub> branched alkenylene, C<sub>3</sub>-C<sub>12</sub> hydroxyalkylene, C<sub>4</sub>-C<sub>12</sub> dihydroxyalkylene, C<sub>6</sub>-C<sub>10</sub> arylene, C<sub>8</sub>-C<sub>12</sub> dialkylarylene, -(R<sup>5</sup>O)<sub>k</sub>R<sup>5</sup>-, -(R<sup>5</sup>O)<sub>k</sub>R<sup>6</sup>(OR<sup>5</sup>)<sub>k</sub>-, -CH<sub>2</sub>CH(OR<sup>7</sup>)CH<sub>2</sub>-, and mixtures thereof; L<sup>1</sup> is a linking unit independently selected from the following:



and mixtures thereof;  $n^1 + n^2$  has a value such that said zwitterionic polymers and stabilizer has an average molecular weight determined by gel permeation chromatography of from about 1,000 to about 2,000,000 daltons;  $n'$  is equal to  $n''$  and

further  $n' + n''$  is less than or equal to 5% or the value  $n^1 + n^2$ ;  $x$  is 0 to 6;  $y$  is 0 or 1; and  $z$  is 0 or 1.